



# Volume Four

## TABLE OF CONTENTS

1968 • NUMBER ONE	
<i>Thirty-Ninth Annual McGuire Lecture Series: Gastroenterology</i>	
Pancreatitis	
FRANZ J. INGELFINGER, Boston, Massachusetts	4
Cirrhosis: What Is It?	
CHARLES M. CARAVATI, Richmond, Virginia	10
The Relation of the Intestinal Cell Surface to Vitamin B <sub>12</sub> Absorption	
ROBERT M. DONALDSON, JR., Boston, Massachusetts	18
Amino-Acid Absorption	
BERTRAM FLESLER, Cleveland, Ohio	21
Pathogenesis of Hepatic Encephalopathy	
Z. RENO VLAHCEVIC, Richmond, Virginia	32
The Surgical Management of Hirschsprung's Disease	
LESTER W. MARTIN, Cincinnati, Ohio	38
Abstracts of Theses for Graduate Degrees	
MEDICAL COLLEGE OF VIRGINIA, June, 1967	41
Book Review	
LEO J. DUNN, Richmond, Virginia	45
Installation of Members	
THE SOCIETY OF THE SIGMA XI, Medical College of Virginia	45
Contributors to this Issue	46

1968 • NUMBER TWO	
Lasting Biological Effects of Early Influences	
RENÉ DUBOS, New York, New York	52
The Ambient Air	
EDITH IGLAUER, New York, New York	58
A Psychiatrist Listens to Dental Complaints	
HENRY D. LEDERER, Richmond, Virginia	73
A Brief History of the Taxonomy of Mammals	
JACK D. BURKE, Richmond, Virginia	77
A Histochemical Study of Skin Wounds	
ABDULLAH FATTEH, Richmond, Virginia	81
Abortion: Medical and Moral Aspects	
GEOFFREY T. MANN, Richmond, Virginia	83
Abortion: Legal Aspects	
THOMAS D. JORDAN, Richmond, Virginia	86
Contributors to this Issue	90

---

Mechanism of Energy Transformations in Biological Membranes

DAVID E. GREEN, Madison, Wisconsin 96

---

Histamine and a Possible Unity of Autonomous Microcirculatory Dilator Responses

RICHARD W. SCHAYER, Orangeburg, New York 101

---

The Potability of Sea Water

A. V. WOLF, Chicago, Illinois 107

---

The Use of a Computer in the Diagnosis of Intracranial Tumors

G. H. DU BOULAY, London, England 114

---

Potential Applications of Lasers in Ophthalmology

WALTER J. GEERAETS, Richmond, Virginia 117

---

Mechanisms Controlling the Peripheral Circulation of the Lung with Some Clinical Correlations

VERNON E. KRAHL, Baltimore, Maryland 121

---

5-Fluorouracil, A Tool in the Treatment of Skin Cancer and Keratoses

REUVEN K. SNYDERMAN, New York, New York 133

---

Relationship Between Fertility and Elevated Cholesterol Levels in Rats

GRIMALDO CARVALHO, Richmond, Virginia 135

---

Book Review

ANN M. FLOWERS, Richmond, Virginia 141

---

Contributors to this Issue 142

---

*From the Twenty-First Annual Stoneburner Lecture Series: Diseases of the Kidney*


---

New Developments in Hemodialysis for Chronic Renal Failure

LEE W. HENDERSON, Philadelphia, Pennsylvania 148

---

Conservative Management of Chronic Renal Failure

ROSCOE R. ROBINSON, Durham, North Carolina 156

---

Clinical Aspects of Renal Tubular Disorders

WILLIAM F. FALLS, JR., Richmond, Virginia 162

---

Focal Glomerulonephritis

ROBERT H. HEPTINSTALL, Baltimore, Maryland 170

---

Some Issues in Human Development

VICTOR C. VAUGHAN, III, Philadelphia, Pennsylvania 173

---

Present-Day Psychiatry

HENRY D. LEDERER, Richmond, Virginia 182

---

Recent Advances in Pediatric Allergy

F. STANFORD MASSIE, Richmond, Virginia 189

---

Student Honors Day: Abstracts of Scientific Presentations

MEDICAL COLLEGE OF VIRGINIA, May, 1968 194

---

Contributors to this Issue

197

---

*Index to Volume Four* 199